330 3

3006

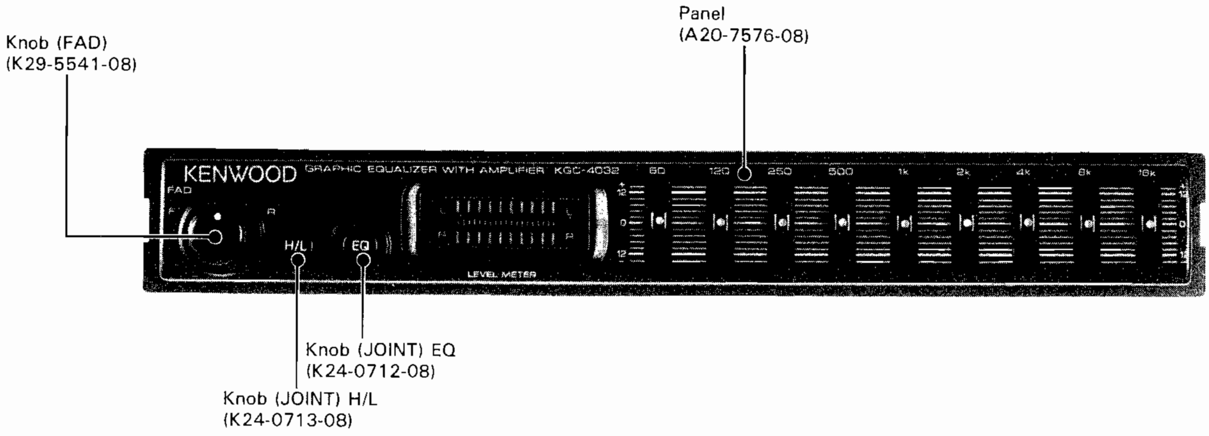
GRAPHIC EQUALIZER WITH AMPLIFIER

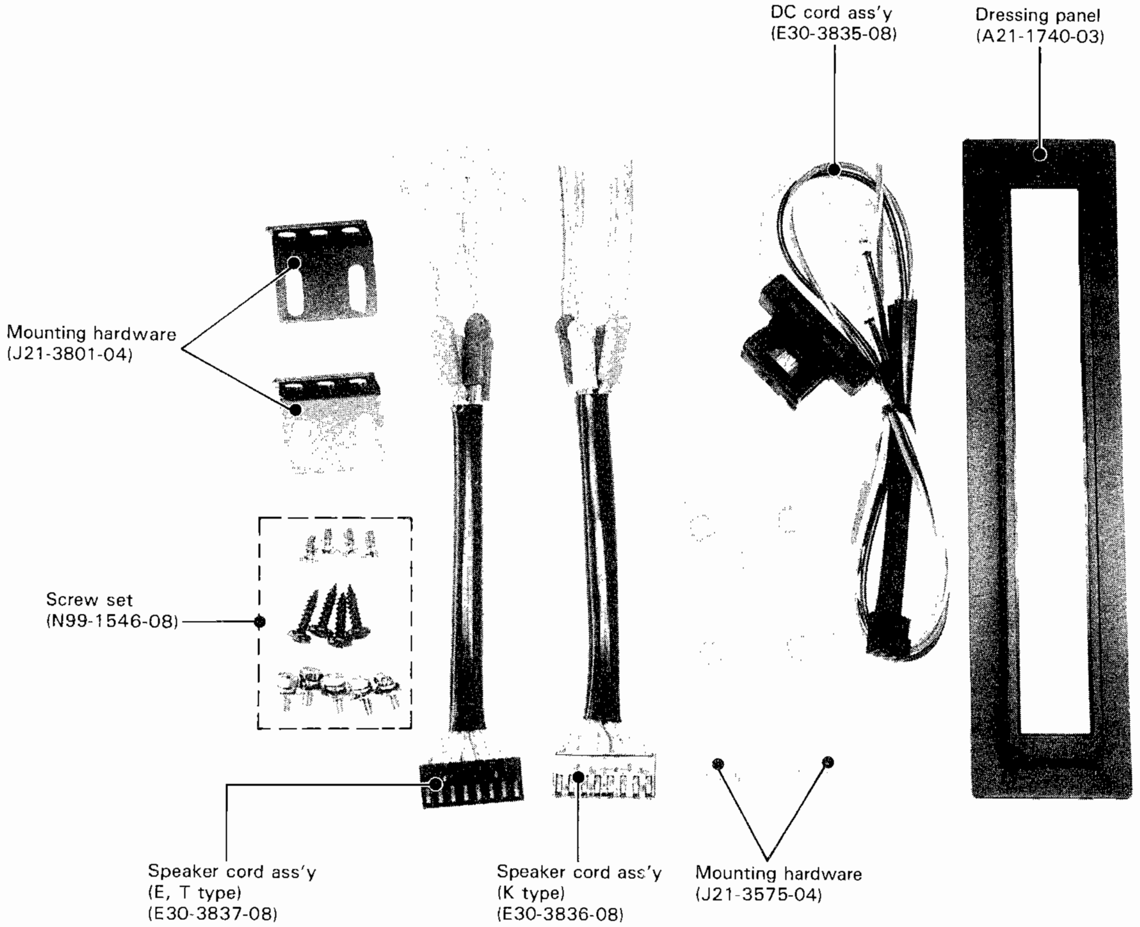
KGC-4032

SERVICE MANUAL

KENWOOD

©1989-12 PRINTED IN JAPAN
B51-6116-00(T) 3045


Panel
(A20-7576-08)
Knob (FAD)
(K29-5541-08)
KENWOOD
GRAPHIC EQUALIZER WITH AMPLIFIER KGC-4032
FAD
H/L
EQ
LEVEL METER
60
120
250
500
1k
2k
4k
8k
16k
Knob (JOINT) EQ
(K24-0712-08)
Knob (JOINT) H/L
(K24-0713-08)


DC cord ass'y
(E30-3835-08)
Dressing panel
(A21-1740-03)
Mounting hardware
(J21-3801-04)
Screw set
(N99-1546-08)
Speaker cord ass'y
(E, T type)
(E30-3837-08)
Speaker cord ass'y
(K type)
(E30-3836-08)
Mounting hardware
(J21-3575-04)

3006

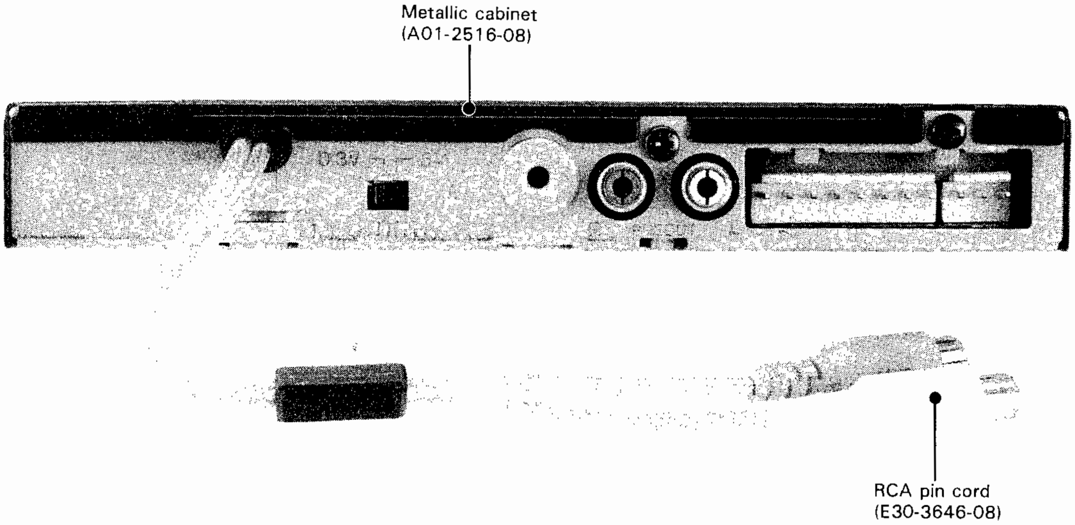
KGC-4032

CONTENTS

REAR VIEW 2
CONNECTION 3
DISASSEMBLY FOR REPAIR 4
BLOCK DIAGRAM 6
PC BOARD 7
CIRCUIT DIAGRAM 11
EXPLODED VIEW 13
PARTS LIST 14
PACKING 17
SPECIFICATIONS .... Back cover

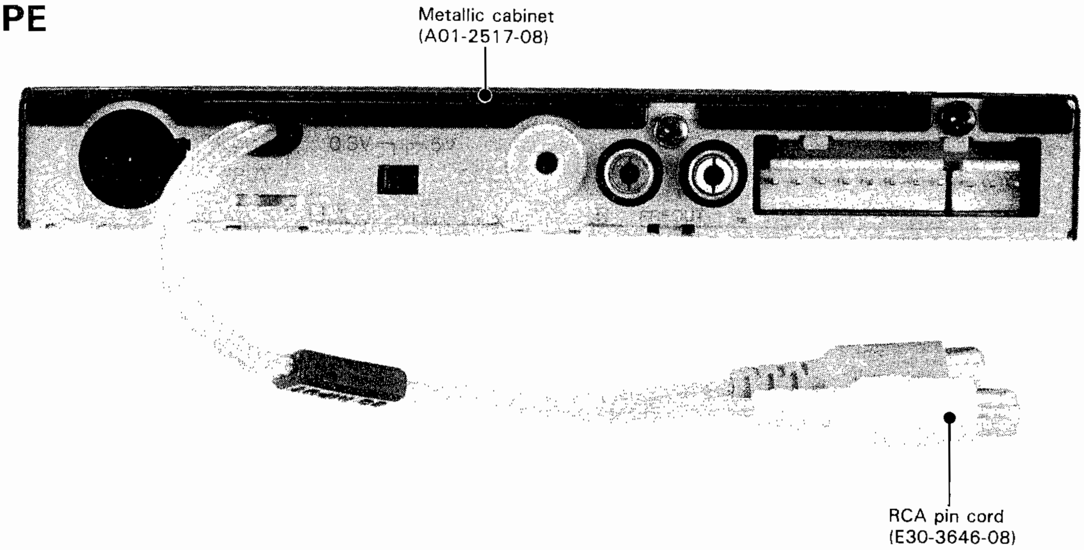
REAR VIEW

K TYPE



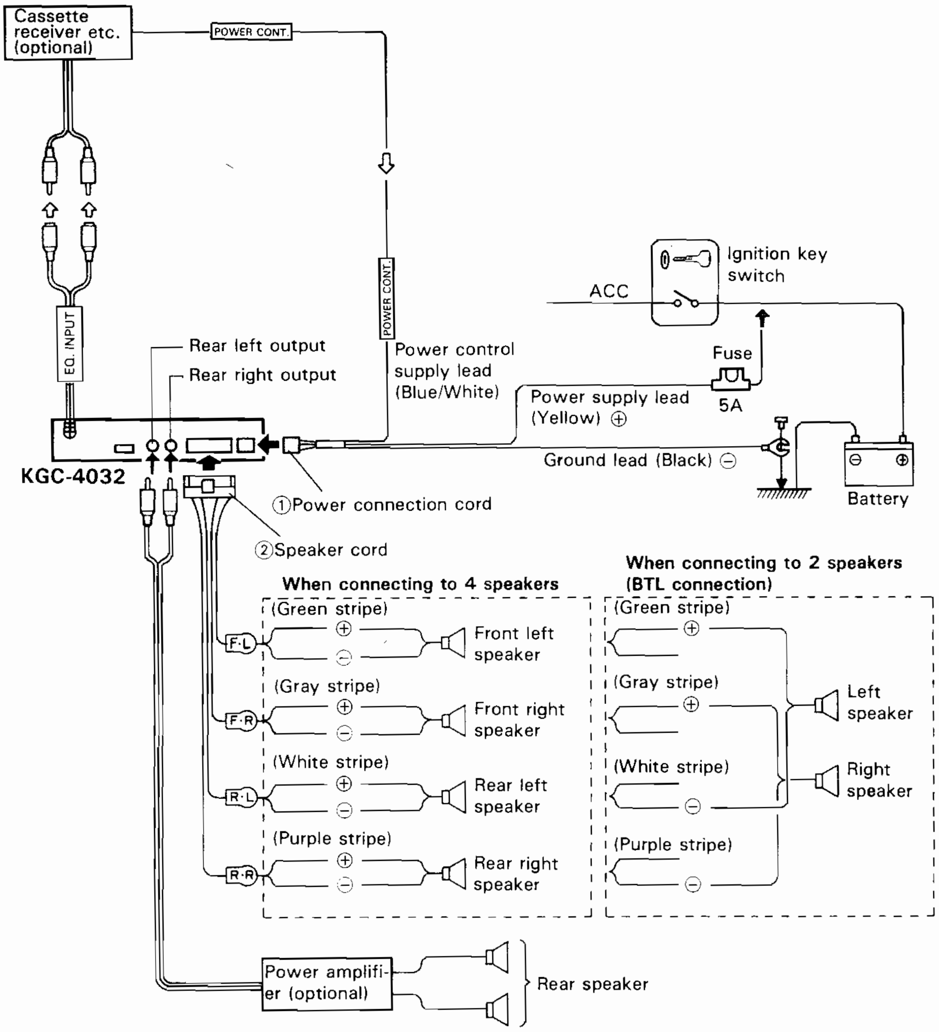
Metallic cabinet
(A01-2516-08)
RCA pin cord
(E30-3646-08)

E, T TYPE



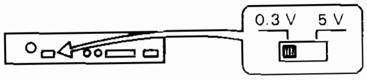
Metallic cabinet
(A01-2517-08)
RCA pin cord
(E30-3646-08)

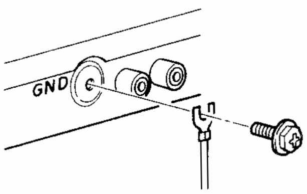
CONNECTION


Cassette receiver etc. (optional)
POWER CONT.
POWER CONT.
EQ. INPUT
Rear left output
Rear right output
Power control supply lead (Blue/White)
Ignition key switch
ACC
Fuse
5A
Power supply lead (Yellow) ⊕
Ground lead (Black) ⊖
Battery
⊖ ⊕
KGC-4032
①Power connection cord
②Speaker cord
When connecting to 4 speakers
(Green stripe)
F·L
⊕
⊖
Front left speaker
(Gray stripe)
F·R
Front right speaker
(White stripe)
R·L
Rear left speaker
(Purple stripe)
R·R
Rear right speaker
When connecting to 2 speakers (BTL connection)
(Green stripe)
(Gray stripe)
(White stripe)
(Purple stripe)
Left speaker
Right speaker
Power amplifier (optional)
Rear speaker

- **Input sensitivity control**

The input sensitivity can be adjusted to 0.3 or 5 V through a system to be connected to this switch. If you are going to connect a KENWOOD system to this switch, then, normally use this switch as it is (0.3 V).

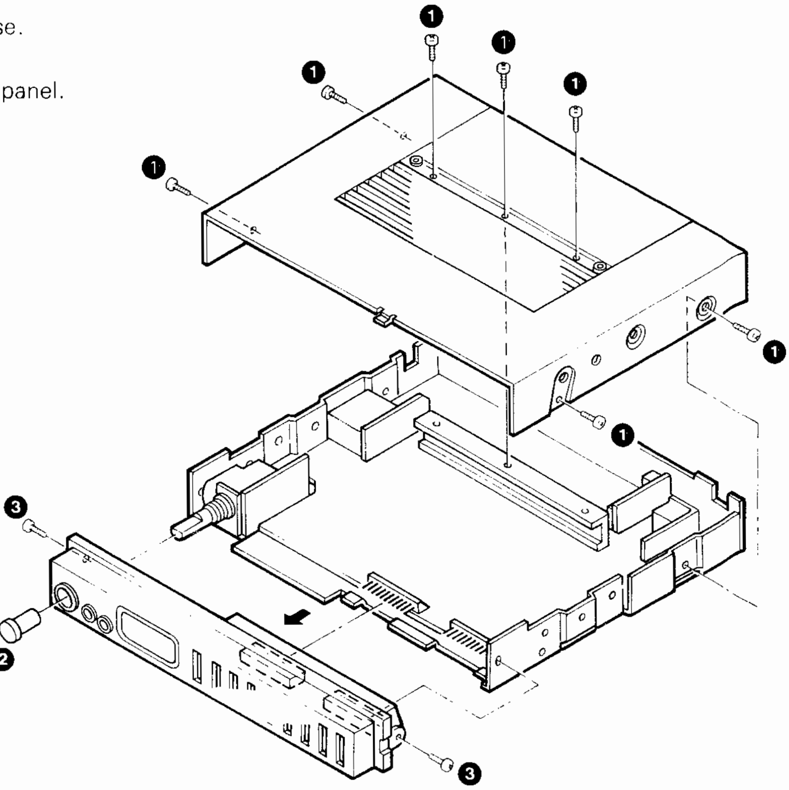




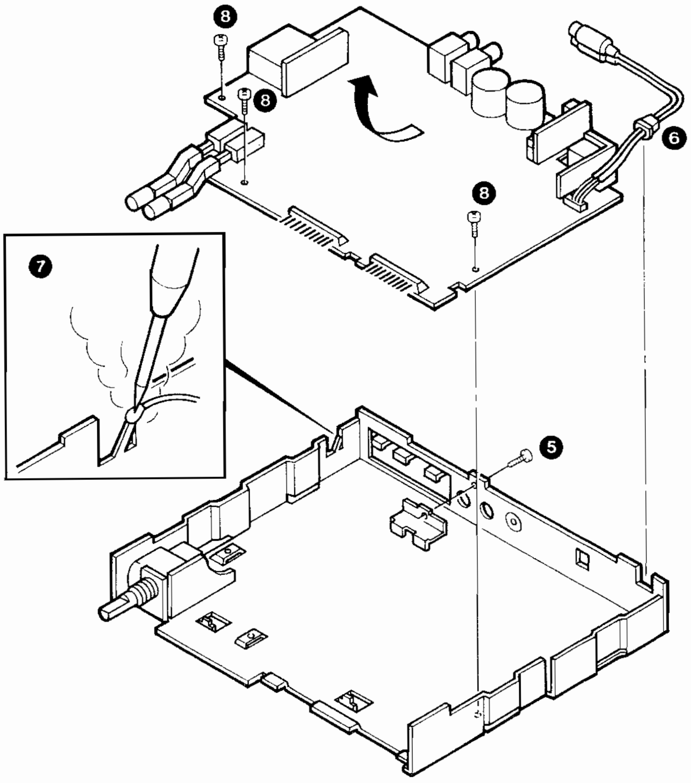
- If the RCA extension cable (optional) is provided with a GND wire, then, fix it into the threaded hole for GND on the rear of the main unit, with the ⑦ washer assembly screw.

DISASSEMBLY FOR REPAIR

1. Remove the seven screws ❶ and take out the case.
2. Detach the knob ❷.
3. Remove the two screws ❸ and take out the front panel.

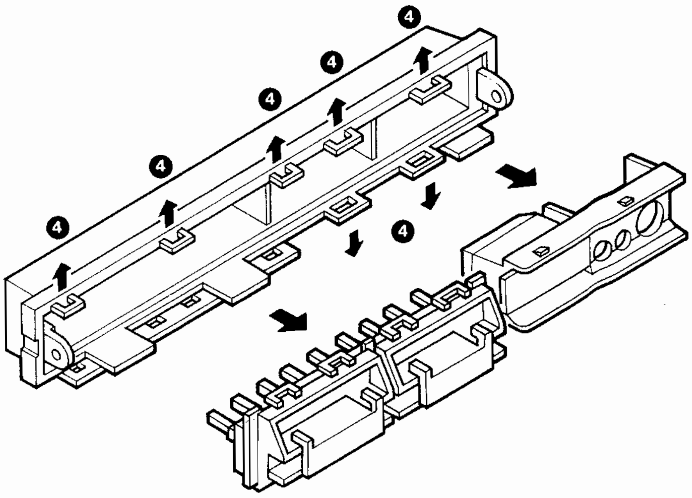


4. Undo the seven catches ❹ and disconnect the VR unit and the LCD unit.



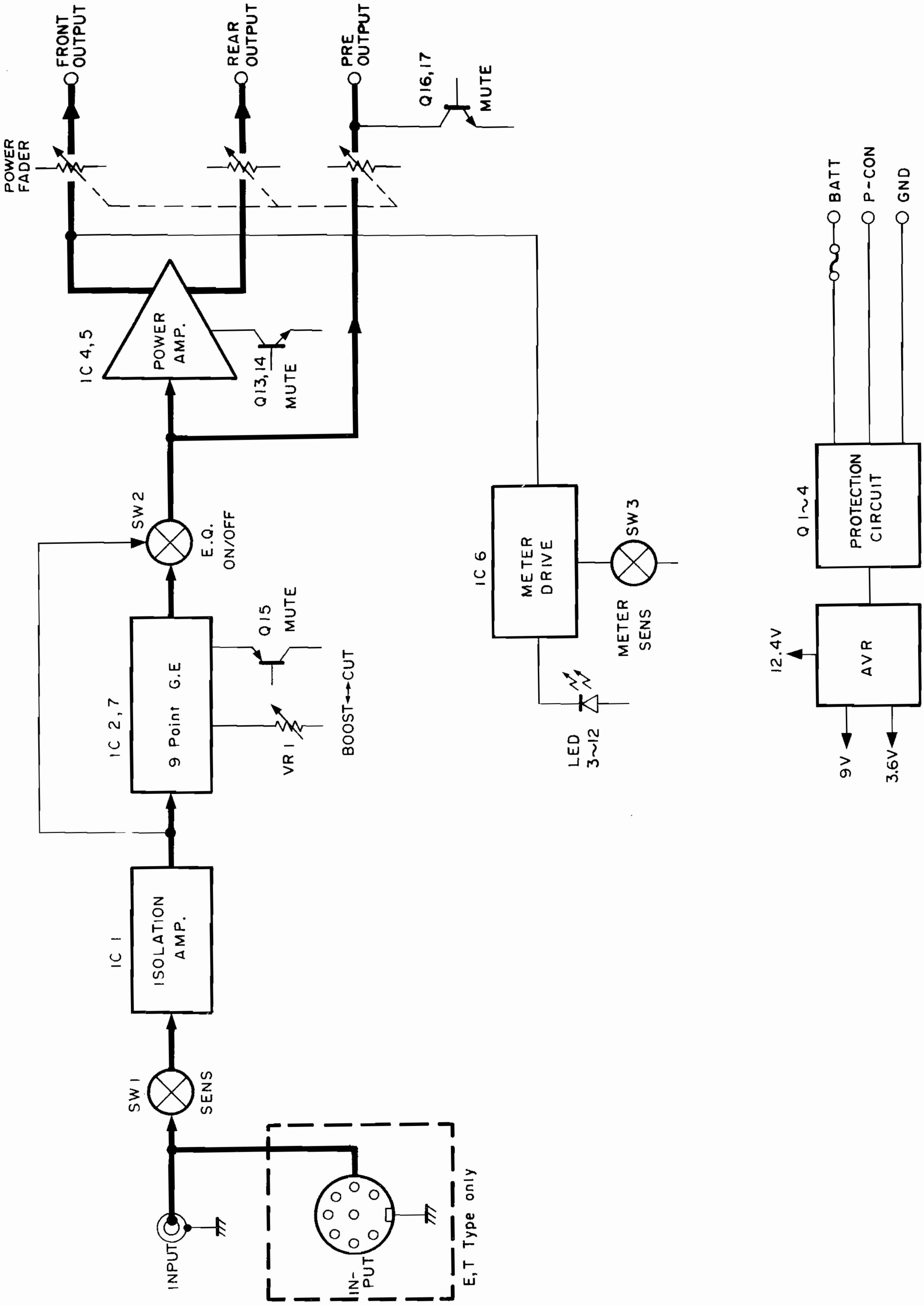
DISASSEMBLY FOR REPAIR

5. Remove the one screw ❺ and detach the plate.
6. Remove the bushing... ❻
7. Disconnect the cord by unsoldering... ❼
8. Remove the three screws ❽ and disconnect the board.



KGC-4032

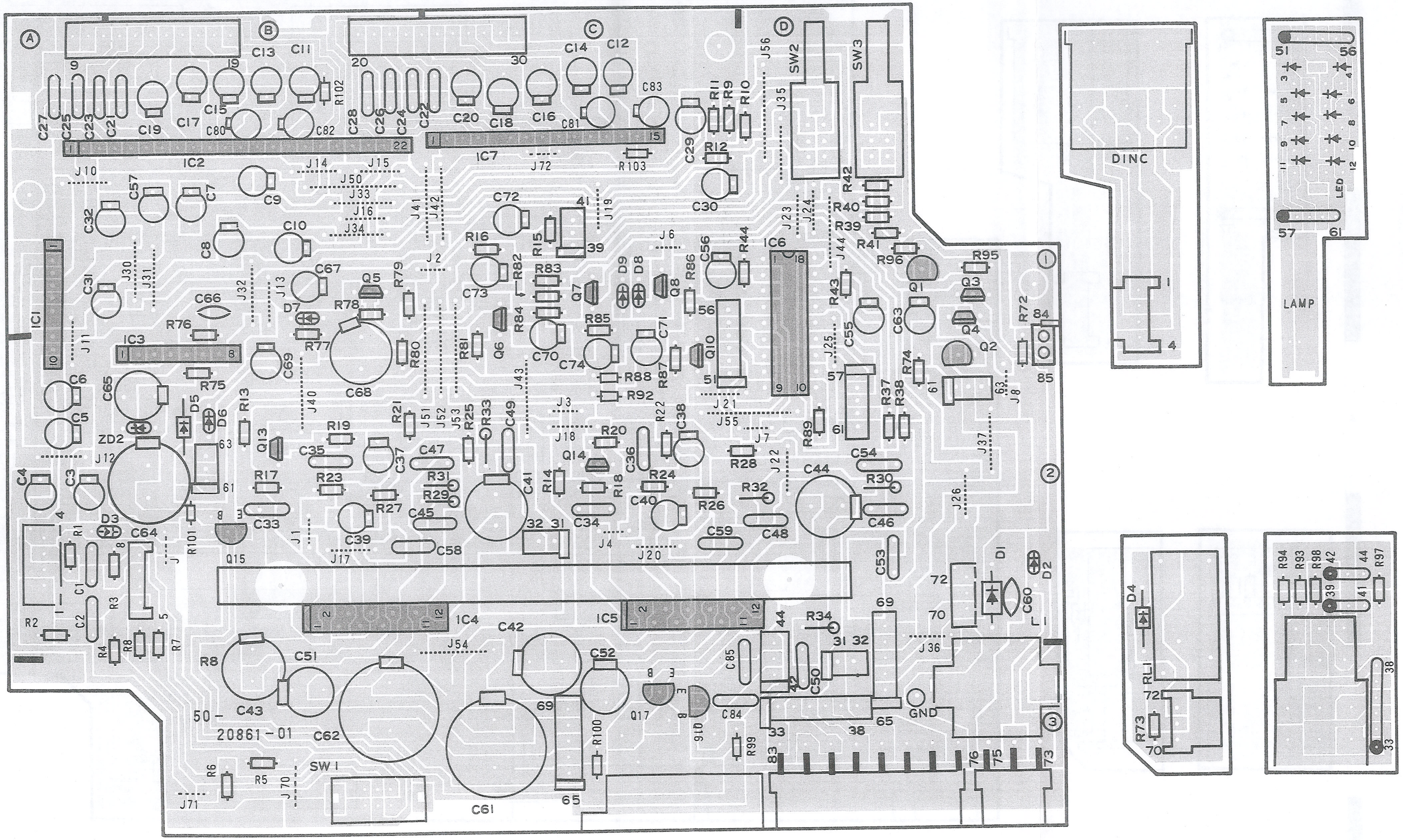
BLOCK DIAGRAM



FRONT OUTPUT
REAR OUTPUT
PRE OUTPUT
Q16,17
MUTE
POWER FADER
IC 4,5
POWER AMP.
Q13,14
MUTE
BATT
P-CON
GND
PROTECTION CIRCUIT
Q1~4
SW2
E.Q. ON/OFF
IC 6
METER DRIVE
SW3
METER SENS
12.4V
AVR
IC 3, Q5~8, 10
9V
3.6V
IC 2,7
9 Point G.E
Q15
MUTE
VR1
BOOST↔CUT
LED 3~12
IC 1
ISOLATION AMP.
SW1
SENS
INPUT
IN-PUT
E,T Type only

PC BOARD (Component side view)

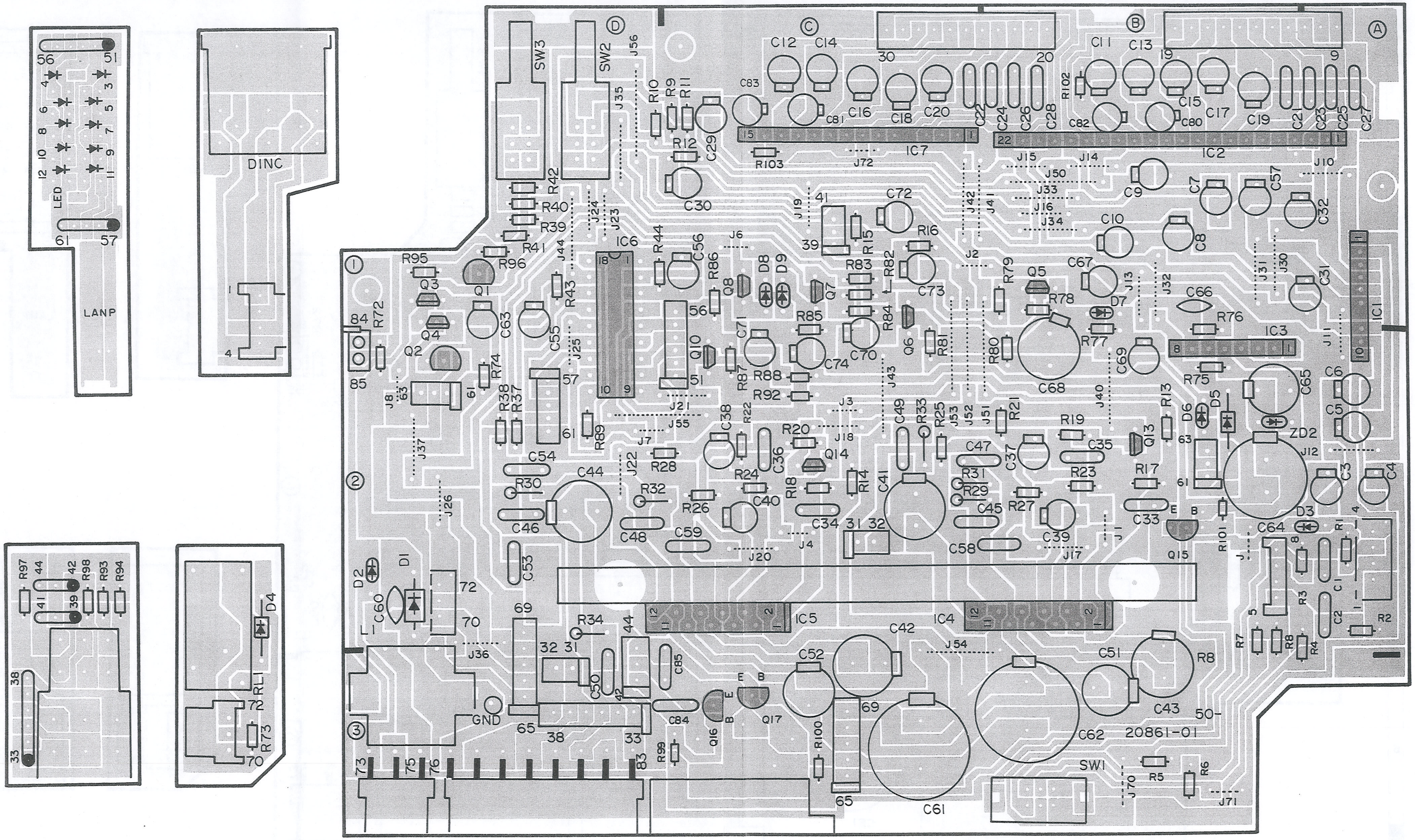
ELECTRIC UNIT (W02-124X-XX)


A
B
C
D
E
F
G
H
I
1
2
3
4
5
6
7
Ⓐ
Ⓑ
Ⓒ
Ⓓ
①
②
③
9
19
20
30
C13
C11
C14
C12
C83
R11
R9
R10
J56
SW2
SW3
J35
C27
C25
C23
C21
C19
C17
C15
C80
C82
R102
C28
C26
C24
C22
C20
C18
C16
C81
C29
R12
IC2
22
IC7
15
J10
J14
J15
J50
J33
J16
J34
J72
R103
C30
C57
C7
C32
C9
C10
J41
J42
C72
41
J19
39
R16
R15
J6
C56
R44
IC6
18
J23
J24
R42
R40
R39
R41
R96
R95
Q1
Q3
Q4
Q2
J44
C8
J30
J31
C31
J32
J13
C67
Q5
R79
J2
C73
R82
R83
D9
D8
Q7
Q8
R86
56
R43
C55
C63
R72
84
85
C66
R76
D7
R78
IC1
IC3
8
10
J11
R77
C69
C68
R80
R81
Q6
R84
C70
C74
R85
C71
Q10
51
J25
57
R74
61
63
J8
C6
C65
R75
C5
D5
D6
R13
J40
R21
J51
J52
J53
R25
R33
C49
J43
R88
R92
R87
J21
J55
R37
R38
R89
ZD2
J12
63
Q13
R19
C35
C37
C47
J3
J18
R20
Q14
C36
R22
C38
J7
J22
R28
C54
J37
C4
C3
R17
R23
R27
R31
R29
C45
C41
R14
R18
R24
C40
R26
R32
C44
R30
C46
J26
4
D3
C64
R1
R101
Q15
C33
C39
J1
J17
C58
32
31
C34
J4
J20
C59
C48
C53
D1
D2
C1
R3
5
C2
R2
R4
R8
R7
IC4
12
C42
IC5
44
R34
69
72
70
C60
J54
J36
C85
42
C50
31 32
C51
C52
C43
C62
C61
69
R100
Q17
Q16
C84
GND
38
65
33
R99
83
76
75
73
50-
20861-01
SW1
R6
R5
J70
J71
65
DINC
1
4
51
56
3
4
5
6
7
8
9
10
11
12
LED
57
61
LAMP
D4
RL1
72
70
R73
R94
R93
R98
42
44
R97
39
41
38
33

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Foil side view)

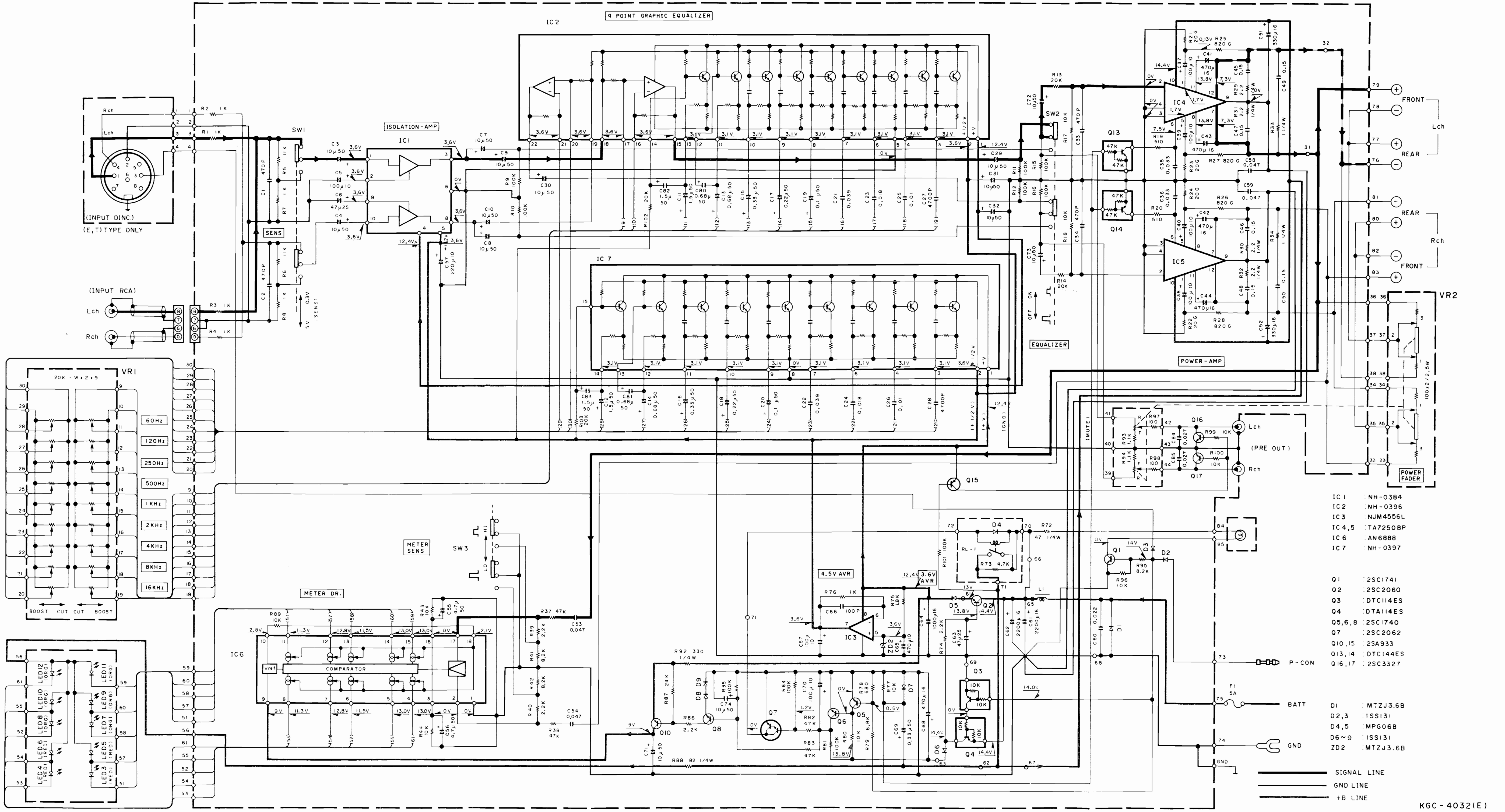
ELECTRIC UNIT (W02-124X-XX)


LED
56
51
61
57
LANP
DINC
SW3
SW2
J56
Ⓓ
Ⓒ
Ⓑ
Ⓐ
C12
C14
C83
C81
C16
C18
C20
C22
C24
C26
C28
C82
C11
C13
C15
C80
C17
C19
C21
C23
C25
C27
R102
IC7
IC2
R103
J72
J15
J14
J50
J33
J16
J34
J10
R10
R9
R11
R12
C29
C30
J35
R42
R40
R39
R41
J24
J23
J44
IC6
R44
C56
J6
J19
41
39
C72
R15
R16
J42
J41
C9
C10
C7
C57
C8
C32
R95
Q3
R96
Q1
Q2
Q4
R72
84
85
C63
C55
R43
J25
R86
D8
D9
Q8
Q7
R83
R82
C73
J2
R79
Q5
R78
C67
J13
J32
J31
J30
C31
C66
D7
R76
IC3
IC1
J11
R74
R38
R37
57
56
Q10
51
C71
R85
R84
Q6
R81
C70
C74
R80
C68
R77
C69
C65
C6
C5
R75
J8
63
61
J37
R87
R88
R92
J21
J55
J3
J43
J40
R13
D6
D5
ZD2
J12
C54
R89
J7
J22
R28
C38
R22
R20
J18
C49
R33
R25
J53
J52
J51
R21
R19
C35
Q13
C47
C37
Q14
C36
R24
R14
C41
R31
R29
R23
R17
63
61
C3
C4
C44
R30
R32
R26
C40
R18
C45
R27
C46
C48
C59
C34
31
32
J20
J4
C39
J17
C58
C33
E
B
Q15
R101
C64
D3
J26
C53
D2
D1
C60
L1
72
70
69
J36
R34
44
IC5
IC4
C42
J54
C52
C51
R8
C43
50-
20861-01
C62
C61
SW1
J70
R5
R6
J71
R1
R2
R3
R4
R7
C1
C2
32
31
C50
42
C85
C84
E
B
Q16
Q17
69
65
R100
R99
38
33
83
GND
65
73
75
76
R97
44
42
R98
R93
R94
41
39
38
33
D4
RL1
72
R73
70
①
②
③

1 2 3 4 5 6 7

Refer to the schematic diagram for the values of resistors and capacitors.

ELECTRIC UNIT (W02-124X-XX)


A
B
C
D
E
F
G
H
I
1
2
3
4
5
6
9 POINT GRAPHIC EQUALIZER
IC2
IC7
ISOLATION-AMP
IC1
SW1
SENS
(INPUT DINC.)
(E,T) TYPE ONLY
(INPUT RCA)
Lch
Rch
VR1
20K - W×2×9
60Hz
120Hz
250Hz
500Hz
1KHz
2KHz
4KHz
8KHz
16KHz
BOOST
CUT
CUT
BOOST
METER SENS
SW3
METER DR.
IC6
COMPARATOR
Vref
LED12
LED11
LED10
LED9
LED8
LED7
LED6
LED5
LED4
LED3
SW2
EQUALIZER
Q13
Q14
IC4
IC5
POWER-AMP
FRONT
REAR
Lch
Rch
VR2
POWER FADER
(PRE OUT)
Q16
Q17
MUTE
Q15
4.5V AVR
3.6V AVR
IC3
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q10
D2
RL-1
L1
P-CON
BATT
GND
F1 5A
KGC-4032(E)

IC1 :NH-0384
IC2 :NH-0396
IC3 :NJM4556L
IC4,5 :TA7250BP
IC6 :AN6888
IC7 :NH-0397

Q1 :2SC1741
Q2 :2SC2060
Q3 :DTC114ES
Q4 :DTA114ES
Q5,6,8 :2SC1740
Q7 :2SC2062
Q10,15 :2SA933
Q13,14 :DTC144ES
Q16,17 :2SC3327

D1 :MTZJ3.6B
D2,3 :1SS131
D4,5 :MPG06B
D6~9 :1SS131
ZD2 :MTZJ3.6B

SIGNAL LINE
GND LINE
+B LINE

KGC-4032(E)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

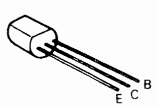
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

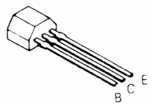
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y09-3320-10

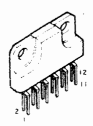
2SC1741
2SC2060
2SC2062



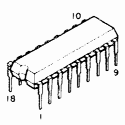
DTA114ES
DTC114ES
DTC144ES
2SA933
2SC1740
2SC3327



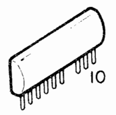
TA7250BP



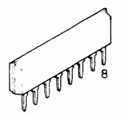
AN6888



NH-0384



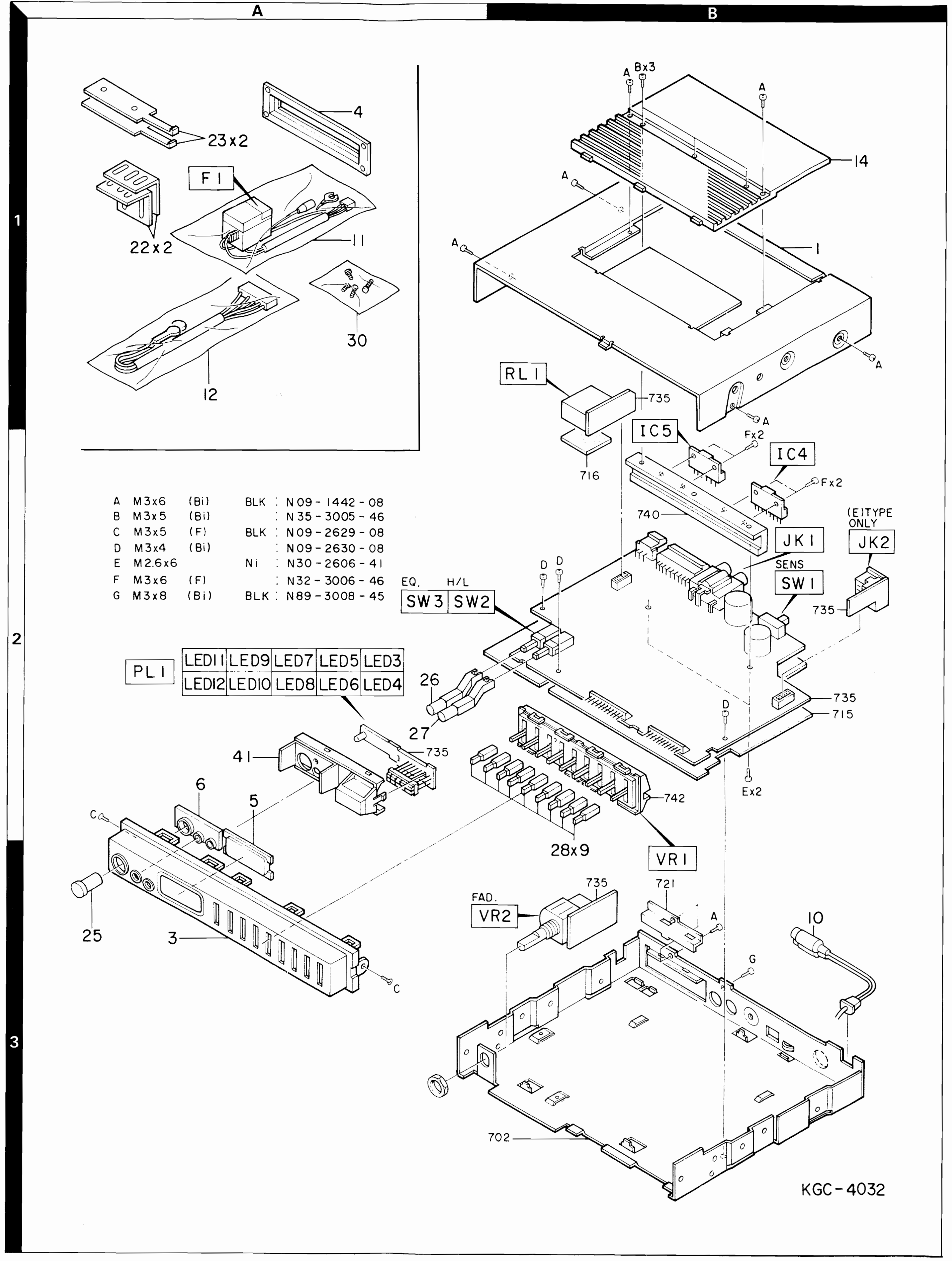
NJM4556L



KGC-4032

KENWOOD

EXPLODED VIEW


A
B
1
2
3
23x2
4
F1
22x2
11
30
12
14
1
Bx3
A
RL1
735
716
IC5
Fx2
IC4
Fx2
740
JK1
(E)TYPE ONLY
JK2
SENS
SW1
735
D
EQ.
H/L
SW3
SW2
PL1
LED11
LED9
LED7
LED5
LED3
LED12
LED10
LED8
LED6
LED4
26
27
735
715
41
6
5
C
742
Ex2
28x9
VR1
721
FAD.
VR2
735
10
G
25
3
702
KGC-4032
A M3x6 (Bi) BLK : N09-1442-08
B M3x5 (Bi) : N35-3005-46
C M3x5 (F) BLK : N09-2629-08
D M3x4 (Bi) : N09-2630-08
E M2.6x6 Ni : N30-2606-41
F M3x6 (F) : N32-3006-46
G M3x8 (Bi) BLK : N89-3008-45

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

⁎ New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕 向	Re-marks 備考
KGC-4032						
1	1B	⁎	A01-2516-08	METALLIC CABINET	K	
1	1B	⁎	A01-2517-08	METALLIC CABINET	E,T	
3	3A	⁎	A20-7576-08	PANEL ASSY		
4	1A		A21-1740-03	DRESSING PANEL		
5	3A	⁎	B10-1362-08	FRONT GLASS		
6	3A	⁎	B19-0840-08	LIGHTING BOARD		
-			B44-6006-04	UPC CODE LABEL		
-			B44-6008-04	UPC CODE LABEL		
-			B46-0100-20	WARRANTY CARD		
-		⁎	B50-7946-00	INSTRUCTION MANUAL	E,T	
-		⁎	B50-7982-00	INSTRUCTION MANUAL	K	
-			B58-0803-13	CAUTION CARD	E,T	
10	3B		E30-3646-08	PIN CORD (IN)		
11	1A	⁎	E30-3835-08	DC CORD ASSY		
12	1A	⁎	E30-3836-08	SPEAKER CORD ASSY	K	
12	1A	⁎	E30-3837-08	SPEAKER CORD ASSY	E,T	
14	1B	⁎	F01-1349-08	HEAT SINK		
-			F29-0049-05	INSULATING COVER		
F1	1A		F06-5024-05	FUSE (5A)		
-		⁎	F19 -1215- 08	METAL SHEET		
-		⁎	H01-9093-08	ITEM CARTON BOX		
-		⁎	H03-3107-08	OUTER PACKING CASE		
-		⁎	H10-4327-08	POLYSTYRENE FOAMED FIXTURE		
-			H11-0021-08	PAKING FIXTURE		
-			H25-0117-04	PROTECTION BAG (70 X 300)		
-			H25-0329-04	PROTECTION BAG (280 X 500)		
-			H25-0337-04	PROTECTION BAG (180 X 270)		
22	1A		J21-3801-04	MOUNTING HARDWARE		
23	1A		J21-3575-04	MOUNTING HARDWARE		
25	3A		K29-5541-08	KNOB (FAD)		
26	2A	⁎	K24-0713-08	KONB (JOINT)(H/L)		
27	2A	⁎	K24-0712-08	KONB (JOINT)(EQ)		
28	2B,3B		K29-3505-08	KONB (GE)		
30	1A	⁎	N99-1546-08	SCREW SET		
A	1B		N09-1442-08	SCREW (3X6 BIND S-TITE)		
B	1B		N35-3005-46	SCREW (3X5 BIND)		
C	3A		N09-2629-08	SCREW (3X5 FLAT S-TITE)		
D	2B		N09-2630-08	SCREW (3X4 BIND S-TITE)		
G	3B		N89-3008-45	SCREW (3X8 BIND B-TITE)		
ELECTRIC UNIT (W02-124X-XX) 4-08: K, 5-08: E, T						
LED3-6			B30-1255-08	LED (LEVEL METER) RD		
LED7-12			B30-1256-08	LED (LEVEL METER) OR		
PL1			B30-1327-08	LANP		
C1 ,2			CQ92M1H471K	MYLAR 470PF K		
C3 ,4			CE04KW1H100M	ELECTRO 10UF 50WV		
C5 ,6			CE04KW0J331M	ELECTRO 330UF 6.3WV		
C7 -10			CE04KW1H100M	ELECTRO 10UF 50WV		
C11 ,12			C90-1738-08	ELECTRO 1.5UF 50WV		
C13 ,14			C90-1245-05	ELECTRO 0.68UF 50WV		
C15 ,16			CE04KW1HR33M	ELECTRO 0.33UF 50WV		
C17 ,18			CE04KW1HR22M	ELECTRO 0.22UF 50WV		

E: Scandinavia & Europe	K: USA	P: Canada	W:Europe
U: PX(Far East, Hawaii)	T: England	M: Other Areas	
UE : AAFES(Europe)	X: Australia		

⚠ indicates safety critical components.

PARTS LIST

⁎ New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C19 ,20			CE04KW1H0R1M	ELECTRO 0.1UF 50WV		
C21 ,22			CQ92M1H393K	MYLAR 0.039UF K		
C23 ,24			CQ92M1H183K	MYLAR 0.018UF K		
C25 ,26			CQ92M1H103K	MYLAR 0.010UF K		
C27 ,28			CQ92M1H472K	MYLAR 4700PF K		
C29 -32			CE04KW1H100M	ELECTRO 10UF 50WV		
C33 ,34			CQ92M1H471K	MYLAR 470PF K		
C35 ,36			CQ92M1H333K	MYLAR 0.033UF K		
C37 -40			CE04KW1A101M	ELECTRO 100UF 10WV		
C41 -44			CE04DW1C471M	ELECTRO 470UF 16WV		
C45 -50			CF92V1H154J	MF 0.15UF J		
C51 ,52			CE04DW1C331M	ELECTRO 330UF 16WV		
C53 ,54			CQ92M1H473J	MYLAR 0.047UF J		
C55 ,56			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C57			CE04KW1C221M	ELECTRO 220UF 16WV		
C58 ,59			CF92V1H473J	MF 0.047UF J		
C60			CK45F1H223Z	CERAMIC 0.022UF Z		
C61 ,62			C90-1401-05	ELECTRO 2200UF 16WV		
C63			CE04KW1E470M	ELECTRO 47UF 25WV		
C64			C90-1256-05	ELECTRO 1000UF 16WV		
C65			CE04DW1C471M	ELECTRO 470UF 16WV		
C66			CK45B1H101K	CERAMIC 100PF K		
C67			CE04KW1A101M	ELECTRO 100UF 10WV		
C68			CE04DW1C471M	ELECTRO 470UF 16WV		
C69			CE04KW1HR33M	ELECTRO 0.33UF 50WV		
C70			CE04KW1A101M	ELECTRO 100UF 10WV		
C71 -74			CE04KW1H100M	ELECTRO 10UF 50WV		
C80 -81			C90-1245-05	ELECTRO 0.68UF 50WV		
C82 ,83			C90-1738-08	ELECTRO 1.5UF 50WV		
C84 ,85			CQ92M1H273K	MYLAR 0.027UF K		
JK1		*	E13-0260-08	RCA PIN JACK		
JK2			E06-1001-05	DIN SOCKET		
41	2A	*	J19-4365-08	LEAD HOLDER		
L1			L33-0355-08	CHOKE COIL		
E			N30-2606-41	SCREW (2.6X6 PAN T.P)		
F			N32-3006-46	SCREW (3X6 FLAT)		
VR1			R90-0823-08	9POINT VR ASSY		
VR2		*	R11-2621-08	POWER FADER		
RL1			S51-1049-08	RELAY		
SW1		*	S31-2627-08	SLIDE SWITCH (SENSOR)		
SW2 ,3			S40-2340-08	PUSH SWITCH (EQ,METER SENS)		
D1			RM10Z	DIODE		
D2 ,3			1SS131	DIODE		
D4 ,5			MPG06B	DIODE		
D6 -9			1SS131	DIODE		
IC1			NH-0384	HIC(ISOLATION AMP)		
IC2		*	NH-0396	HIC(9 POINT EQ)		
IC3			NJM4556L	IC(AVR)		
IC4 ,5			TA7250BP	IC(POWER AMP)		
IC6			AN6888	IC(5PT LED LEVEL METER DR X2)		
IC7		*	NH-0397	HIC(9 POINT EQ)		

E: Scandinavia & Europe **K**: USA **P**: Canada **W**:Europe

U: PX(Far East, Hawaii) **T**: England **M**: Other Areas

UE : AAFES(Europe) **X**: Australia

⚠ indicates safety critical components.

PARTS LIST

⁎ New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
Q1			2SC1741	TRANSISTOR		
Q2			2SC2060	TRANSISTOR		
Q3			DTC114ES	DIGITAL TRANSISTOR		
Q4			DTA114ES	DIGITAL TRANSISTOR		
Q5 ,6			2SC1740	TRANSISTOR		
Q7			2SC2062	TRANSISTOR		
Q8			2SC1740	TRANSISTOR		
Q10			2SA933	TRANSISTOR		
Q13 ,14			DTC144ES	DIGITAL TRANSISTOR		
Q15			2SA933	TRANSISTOR		
Q16 ,17			2SC3327	TRANSISTOR		
ZD2			MTZJ3.6B	ZENER DIODE		

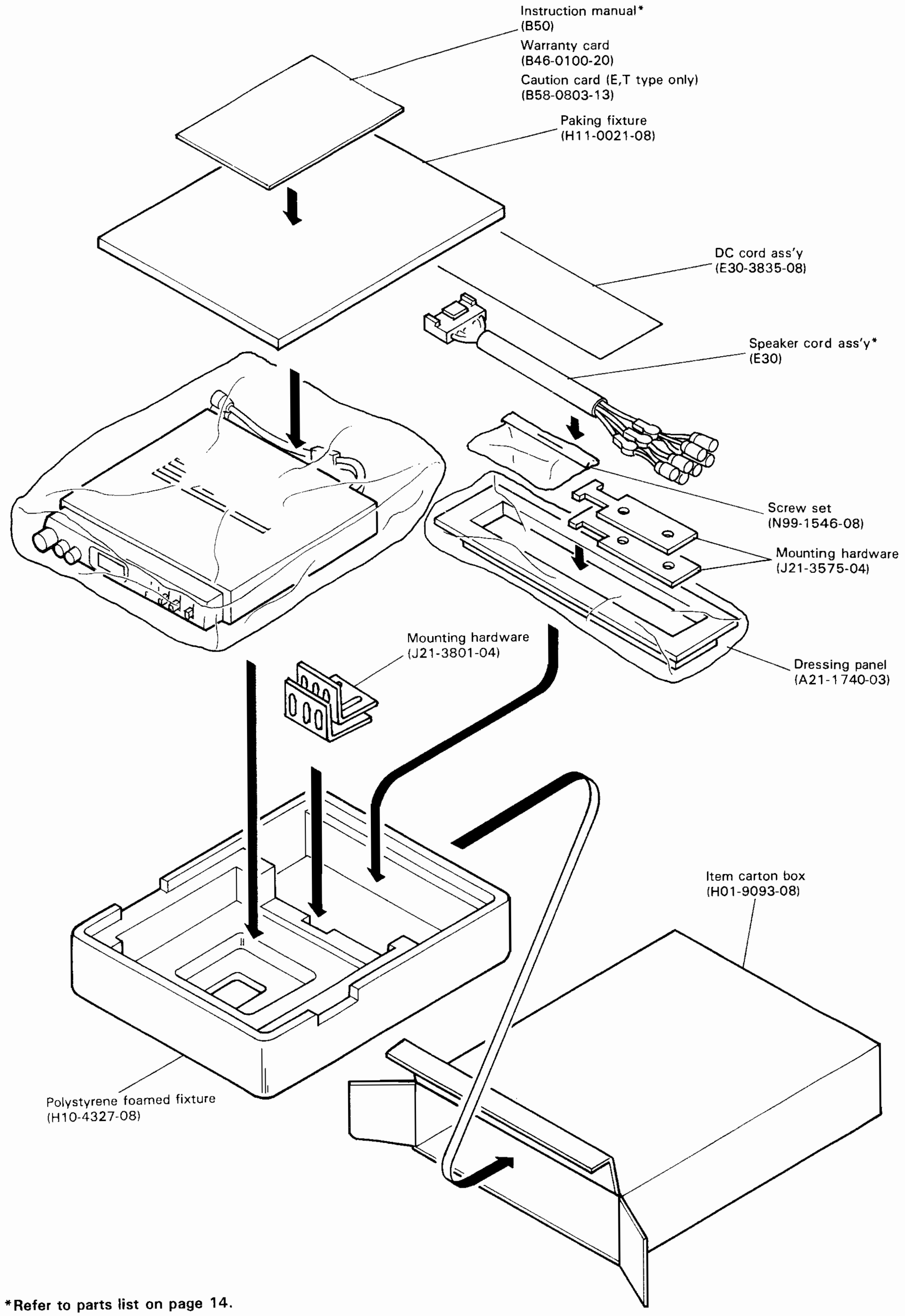
E: Scandinavia & Europe **K**: USA **P**: Canada **W**:Europe

U: PX(Far East, Hawaii) **T**: England **M**: Other Areas

UE : AAFES(Europe) **X**: Australia

⚠ indicates safety critical components.

PACKING


Instruction manual*
(B50)
Warranty card
(B46-0100-20)
Caution card (E,T type only)
(B58-0803-13)
Paking fixture
(H11-0021-08)
DC cord ass'y
(E30-3835-08)
Speaker cord ass'y*
(E30)
Screw set
(N99-1546-08)
Mounting hardware
(J21-3575-04)
Mounting hardware
(J21-3801-04)
Dressing panel
(A21-1740-03)
Item carton box
(H01-9093-08)
Polystyrene foamed fixture
(H10-4327-08)

***Refer to parts list on page 14.**

SPECIFICATIONS

Specifications subject to change without notice.

Equalizer section

Equalizer center frequency	60 Hz, 120 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, 16 kHz
Equalization range	−12～+12 dB

Audio section

Maximum output power	40 W+40 W
Rated output power (less than 1% THD, 20 Hz - 20 kHz, 4 Ω)	20 W+20 W
Frequency response (−3 dB)	15 Hz - 60 kHz
T.H.D. (at 1 kHz)	0.03%
Signal-to-noise ratio	100 dB
Input Sensitivity (rated output)	
Normal	0.3 V
Booster	5.0 V
Input impedance	10 kΩ
Output impedance (preout)	600 Ω

General

Operating voltage	14.4 V (11 - 16 V)
Current consumption (Max.)	5.0 A
Installation size (W×H×D)	178×25×150 mm (7×1×5-7/8 in)
Weight	0.7 kg (1.5 lb)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui doncerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

Note:
Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION
Shionogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku, Tokyo 150, Japan
KENWOOD U.S.A. CORPORATION
2201 East Dominguez Street, Long Beach, CA 90810;
550 Clark Drive, Mount Olive, NJ 07828, U.S.A
KENWOOD ELECTRONICS CANADA INC.
P.O. BOX 1075, 959 Gana Court, Mississauga, Ontario, Canada L4T 4C2
TRIO-KENWOOD U.K. LTD.
KENWOOD House, Dwight Road, Watford, Herts., Wd1 8eb United Kingdom
KENWOOD ELECTRONICS BENELUX N.V.
Mechelsesteenweg 418 B-1930 Zaventem, Belgium
KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker-Str. 15, 6056 Heusenstamm, West Germany
TRIO-KENWOOD FRANCE S.A.
13 Boulevard Ney, 75018 Paris, France
KENWOOD LINEAR S.p.A.
20125, MILANO-VIA ARBE, 50, ITALY
KENWOOD ELECTRONICS AUSTRALIA PTY, LTD. (INCORPORATED IN NSW)
4E Woodcock Place, Lane Cove, N.S.W. 2066, Australia
KENWOOD & LEE ELECTRONICS, LTD.
Wang Kee Building, 4th Floor, 34-37, Connaught Road, Central, Hong Kong